

PLANE FORM MULTI-COLOR DISPLAY SCREEN

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Abstract of JP2273496

PURPOSE: To provide a multi-color screen of such a structure that its electroluminescent layer is formed from a white phosphor and that colored filters in a plurality of rows are inserted between the luminescent layer and the observer.

CONSTITUTION: An electrode 30 covers an electroluminescent structure formed from a white phosphor layer 34. The layer 34 is formed from parallel conductive band pieces and supports the second electrode device 36 made of a transparent material, and the electrode 36 is located vertically to the electrode 30. The electrode 36 is supported an insulated base board 38 made of glass, etc., and is equipped on the inner surface with colored filters 40-42 in a plurality of rows, for example three, of red, green, and blue. The display is observed from the side with the base board 38. The filters 40-42 admit filtration of photo-intensity of the surrounding illumination, for example a lamp 43, and color the electroluminescent emission of the layer 34. Using a peripheral control circuit 45, the display means of this configuration operates on the same system as an ordinary multi-color means substantially.

